Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-13 (Cancelled)

14. (Currently Amended) A sensing apparatus ~~according to Claim 13,~~ comprising:

a cable having a first end, a second end and a core, wherein the core extends from the first end of the cable to the second end of the cable;

a connector residing at the first end of the cable; and

a sensor module residing at the second end of the cable; and

a conductive element extending from the connector to the sensor module, the conductive element being helically wrapped around at least a substantial length of the core;

wherein the sensor module comprises a first end and a second end; and

wherein beads encapsulate the first end and the second end.

15. (Original) A sensing apparatus according to Claim 14, wherein the sensor module further comprises a spacing element.

16. (Original) A sensing apparatus according to Claim 15, wherein a height of the spacing element is greater than a height of the beads.

17-21 (Cancelled)

22. (Previously Amended) A method of making a sensing apparatus comprising:

obtaining a connector;

obtaining a cable;

obtaining a sensor module;

attaching a first end of the cable to the connector;

attaching a second end of the cable to the sensor module;

forming beads over ends of the sensor module;

inserting a spacing element between the beads;

covering the sensor module with a tubing of the cable;

cutting a window in the tubing of the cable; and

inserting an enzyme in the sensor module.

23. (Original) A method according to Claim 22, wherein the enzyme is hydrated.

24. (Previously Added) A sensing apparatus according to Claim 15, wherein the spacing element resides between the beads.

25. (Previously Added) A sensing apparatus according to Claim 14, wherein the sensor module further comprises a spacing element, wherein the spacing element resides between the beads.

26-29 (Cancelled)

30. (Currently Amended) A sensing apparatus ~~according to Claim 29,~~ comprising:

a cable having a first end, a second end and a core, wherein the core extends from the first end of the cable to the second end of the cable;

a connector residing at the first end of the cable;

a sensor module residing at the second end of the cable; and

a conductive element extending from the connector to the sensor module, the conductive element being helically wrapped around at least a substantial length of the core;

wherein the sensor module further comprises a spacing element, and

wherein the spacing element comprises a first spacing element and a second spacing element, the first spacing element being configured to couple with the second spacing element, wherein the second spacing element is removable to leave a space in the first spacing element for receiving a sensing catalyst.

31. (Previously Amended) A sensing apparatus according to Claim 30, wherein the first spacing element comprises a floor, the floor of the first spacing element being configured to allow the passage of oxygen.

32. (Cancelled)

33. (Currently Amended) A sensing apparatus ~~according to Claim 32,~~ comprising:

a cable having a first end, a second end and a core, wherein the core extends from the first end of the cable to the second end of the cable;

a connector residing at the first end of the cable;

a sensor module residing at the second end of the cable; and

a conductive element extending from the connector to the sensor module, the conductive element being helically wrapped around at least a substantial length of the core;

wherein the sensor module further comprises a first spacing element and a second spacing element, the first spacing element being configured to couple with the second spacing element;

wherein the first spacing element comprises a floor, the floor of the first spacing element being configured to allow the passage of oxygen; and

wherein the second spacing element is removable to leave a space in the first spacing element for receiving a sensing catalyst.